

Rabbit SFTPB/Surfactant Protein B Polyclonal Antibody | anti-SFTPB antibody

Anti-SFTPB/Surfactant Protein B Picoband antibody

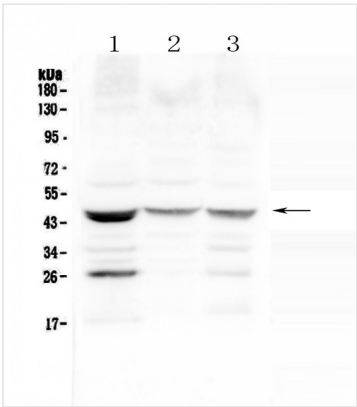
CATALOG # AAA124707	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
-------------------------------	-----------------------	--	-------------------------------------

PRODUCT SYNONYMS

SFTPB/Surfactant Protein B; Polyclonal Antibody; Anti-SFTPB/Surfactant Protein B Picoband antibody; Pulmonary surfactant-associated protein B; SP-B; 18 kDa pulmonary-surfactant protein; 6 kDa protein; Pulmonary surfactant-associated proteolipid SPL(Phe); SFTPB; SFTP3; anti-SFTPB antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified
Form/Format	Lyophilized
Sequence Length	381
Applicable Applications for anti-SFTPB antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence of human SFTPB (QCLAERYSVILLDTLLGRMLPQLVCRLVLR).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Contents	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



WB (Western Blot)

Figure 1. Western blot analysis of SFTPB using anti-SFTPB antibody (AAA124707). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: human MCF-7 whole cell lysates, Lane 2: human COLO-320 whole cell lysates, Lane 3: human HepG2 whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-SFTPB antigen affinity purified polyclonal antibody at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for SFTPB at approximately 46KD. The expected band size for SFTPB is at 42KD.

ADDITIONAL INFORMATION

Related Product Information for anti-SFTPB antibody

Description: Pulmonary surfactant-associated protein B is a protein that in humans is encoded by the SFTPB gene. This gene encodes the pulmonary-associated surfactant protein B (SPB), an amphipathic surfactant protein essential for lung function and homeostasis after birth. Pulmonary surfactant is a surface-active lipoprotein complex composed of 90% lipids and 10% proteins which include plasma proteins and apolipoproteins SPA, SPB, SPC and SPD. The surfactant is secreted by the alveolar cells of the lung and maintains the stability of pulmonary tissue by reducing the surface tension of fluids that coat the lung. The SPB enhances the rate of spreading and increases the stability of surfactant monolayers in vitro. Multiple mutations in this gene have been identified, which cause pulmonary surfactant metabolism dysfunction type 1, also called pulmonary alveolar proteinosis due to surfactant protein B deficiency, and are associated with fatal respiratory distress in the neonatal period. Alternatively spliced transcript variants encoding the same protein have been identified.

NCBI AND UNIPROT INFORMATION

NCBI GI #	288856299
NCBI GeneID	6439
NCBI Accession #	NP_000533.3
NCBI GenBank Nucleotide #	NM_000542.3
UniProt Accession #	P07988; Q96R04
NCBI Official Full Name	pulmonary surfactant-associated protein B
NCBI Official Synonym Full Names	surfactant protein B
NCBI Official Symbol	SFTPB
NCBI Official Synonym Symbols	SP-B; PSP-B; SFTB3; SFTP3; SMDP1
NCBI Protein Information	pulmonary surfactant-associated protein B

UniProt Protein Name	Pulmonary surfactant-associated protein B
UniProt Gene Name	SFTPb
UniProt Synonym Gene Names	SFTP3; SP-B

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/sftpb-surfactant-protein-b-antibody-western-blot-elisa/124707>